

**03-080 Intergovernmental Review**  
**Lead: PATSAOURAS**

**\$ 414,873**  
**Assessment & Monitoring**

03-080

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	265,745	178,631	87,114		
FTA 5303	101,543	68,256	33,287		
SP&R	0	0			
Federal - Other	0	0			
TDA	24,336	8,736	15,599		
State - Other	0	0			
Cash Match	0	0			
3rd Party Commitments (In-Kind Services)	23,250	23,250			
Local - Other	0	0			
<b>Total(s)</b>	<b>414,873</b>	<b>278,873</b>	<b>136,000</b>	<b>0</b>	<b>0</b>

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	116,456	116,456			
Temporary Employees	0				
Indirect costs	135,567	135,567			
Printing	2,100	2,100			
Travel	1,500	1,500			
SCAG Consultant	136,000		136,000		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	23,250	23,250			
<b>Total(s)</b>	<b>414,873</b>	<b>278,873</b>	<b>136,000</b>	<b>0</b>	<b>0</b>

**WE Desc:**

As the designated Regional Clearinghouse, SCAG reviews all plans, plan changes, and environmental reports submitted by local agencies for consistency with adopted regional plans and policies. SCAG comments on regionally significant projects and presents to the Regional Council, through the Community, Economy and Human Development Committee, projects of regional significance. The review of IGR documents/items submitted to SCAG is a continuous process. Accomplishmentsto date: the IGR Project Tracking System has been web-enabled with GIS capabilities to assist in tracking projects. The maintenance, upgrade and hosting of this system are consultant assisted through multi-year contracts. In FY 2001-2002 a consultant was selected to provide hosting services for the IGR Tracking System.

Project Duration: July 2002 - June 2003

**TASKS/PRODUCTS**

**TASK: 03-080.SCGC1**

**Maint/Support IGR Track Sys Psomas**

Project Lead: SMITHJ

Continuing consultant work.

Previous Accomplishments:

Contract for maintenance / support services for IGR Project tracking system was executed.

02-03 Tasks:

Provide maintenance /support services for the IGR project tracking system which is web-enabled with GIS capabilities to assist in tracking documents for review by SCAG. Complete upgrade to IGR trucking system.

01-02 WBS: 02-0003.SCGC1

**Product:**

**Maintenance and Support Services for the IGR Project Tracking System**

**Upgraded System**

Start: 04/01/2002 End: 03/31/2003 Percent: 28.20 %

**TASK: 03-080.SCGS1**

**IGR Data Coll/Rev of Proje of Reg Signif**

Project Lead: SMITHJ

02-03 Tasks:

Review all IGR documents/items submitted to SCAG, log projects in the IGR Project Tracking System, and prepare reviews on projects of regional significance.

**Product:**

**IGR Reviews**

Start: 07/01/2002 End: 06/30/2003 Percent: 47.02 %

**TASK: 03-080.SCGC2**

**Hosting Service/ IGR Track Sys Escalade**

Project Lead: SMITHJ

Continuing Consultant Work:

Previous Accomplishments:

Consultant was selected for application hosting services for IGR Project tracking system.

02-03 Tasks:

Provide hosting services for the IGR project tracking system application software.

01-02 WBS: 02-0003.SCGC2

**Product:**

**Hosting services for the IGR Project Tracking System.**

Start: 07/01/2002 End: 06/30/2003 Percent: 4.58 %

**TASK: 03-080.SCGS2**

**IGR Clearinghouse Report**

Project Lead: SMITHJ

02-03 Tasks:

Prepare semi-monthly Regional Clearinghouse Listing Report on projects of regional significance, projects that are not regionally significant, and applications for federal assistance.

**Product:**

**IGR Clearinghouse Report**

Start: 07/01/2002 End: 06/30/2003 Percent: 6.62 %

**TASK: 03-080.SCGS3**

**IGR Proj Revenue System Upgrd/Maint**

Project Lead: SMITHJ

02-03 Tasks:

Maintain and upgrade the IGR Project Tracking System.

**Product:**

**Upgraded IGR System**

Start: 07/01/2002 End: 06/30/2003 Percent: 8.07 %

**TASK: 03-080.SCGS4**

**Update IGR Handbook & Prepare Reports**

Project Lead: SMITHJ

02-03 Tasks:

Prepare reports on IGR activities for presentations to SCAG management and Regional Council. Prepare IGR Handbook.

**Product:**

**IGR Handbook and Report**

Start: 07/01/2002 End: 06/30/2003 Percent: 4.57 %

**TASK: 03-080.SCGS50**

**Work Element Admin, Coord & Mngmnt**

Project Lead: SMITHJ

02-03 Tasks:

Monitor budget/expenditure status, identify issues, prepare regular progress reports, provide input to mid year OWP amendment for the work element. Provide work element contract management including scope, review of progress and invoice approval. Provide for work element agenda item preparation and management record keeping. Provide logistical support to SCAG Committees and task forces involving work element items, reports and issues.

**Product:**

**Quarterly Progress Report**

**Amendment Data**

**Contract and Work Element**

**Work Records**

**Agenda Items**

**Reports and Records**

Start: 07/01/2002 End: 06/30/2003 Percent: 0.94 %

**03-090 Environmental Planning**  
**Lead: MACIAS**

**\$ 1,136,805**  
**Aviation & Env. Planning**

03-090

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	731,252	615,015		28,694	87,543
FTA 5303	275,161	235,002		10,964	29,195
SP&R	0	0			
Federal - Other	0	0			
TDA	30,078	30,078			
State - Other	0	0			
Cash Match	9,673	0		5,138 C6	4,535 C7
3rd Party Commitments (In-Kind Services)	90,640	80,050		0	10,590
Local - Other	0	0			
<b>Total(s)</b>	<b>1,136,805</b>	<b>960,146</b>	<b>0</b>	<b>44,796</b>	<b>131,863</b>

C6 WRCOG-\$3,842; GCCOG-\$1,296

C7 GCCOG-\$4,535

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	373,532	373,532			
Temporary Employees	31,299	31,299			
Indirect costs	471,265	471,265			
Printing	2,000	2,000			
Travel	2,000	2,000			
SCAG Consultant	0				
Subregion	44,796	0		44,796	
Subregion Consultant	121,273				121,273
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	90,640	80,050			10,590
<b>Total(s)</b>	<b>1,136,805</b>	<b>960,146</b>	<b>0</b>	<b>44,796</b>	<b>131,863</b>

**WE Desc:**

This work element includes the technical analysis and policy development work related to the development of the SCAG input into the South Coast Air Quality Management District (SCAQMD) Air Quality Management Plan (AQMP). SCAG will evaluate and provide analysis of the 2001 AQMP and State Implementation Plan (SIP) as well as assist and coordinate with California Air Resources Board (CARB) and the SCAQMD to complete the following subtasks: coordinate AQMP and SIP schedules and related tasks between SCAQMD, CARB and SCAG; assist the SCAQMD in modeling air quality carrying capacity with the new emission inventory (EMFAC2001) provided by CARB; participate in the process to determine the new emission budget to demonstrate air quality attainment for the region; review emissions model outputs for the 2003 AQMP for the South Coast Air Basin; and review and evaluate the draft and final recommendations of the 2003 AQMP and SIP. Specifically evaluate the effectiveness and benefits of the transportation related control measures. In preparation for the 2004 RTP, SCAG will analyze the RTP and RTIP to determine if these plans conform to the applicable SIP and comply with the federal requirements, including assuring that they are consistent with

emission budgets, provide for timely implementation of projects, are fiscally constrained and have been processed through interagency consultation and public involvement. Staff will conduct conformity findings for 2002 RTIP. Begin conformity analysis of 2004 RTP and will develop the Congestion Management System Report.  
Project Duration: July 2002 - June 2003

#### **TASKS/PRODUCTS**

##### **TASK: 03-090.SCGS1**

##### **Evaluate & Analyze 2003 CAP, SIP**

Project Lead: HOFFMAN

02-03 Tasks:

Evaluate and provide analysis of the 2003 AQMP and SIP. Assist the SCAQMD in modeling air quality carrying capacity with the new emission inventory (EMFAC2001) provided by CARB. Participate in the process to determine the new emission budget to demonstrate air quality attainment for the region. Review emission model outputs for the 2003 AQMP for the South Coast Air Basin, including, base year, baseline, and RTP scenarios for future years. Review and evaluate the draft and final recommendations of the 2003 AQMP and SIP. Determine the effectiveness and benefits of the transportation related control strategies and measures.

##### **Product:**

**Evaluation and Analysis of the 2003 AQMP and State Implementation Plan (SIP), Technical Analysis and Policy Development Concerning the Air Quality Impacts of Aviation and RTP Plans.**

Start: 07/01/2002 End: 06/30/2003 Percent: 18.37 %

##### **TASK: 03-090.SCGS2**

##### **Refine Analysis for Conformity Determination**

Project Lead: HOFFMAN

02-03 Tasks:

Plan for future conformity determinations. Re-evaluate mobile source budgets established in the AQMP. Assess the credibility of black box emission reductions. Assess trade off in ozone versus PM emission reduction targets. "This work element addresses the Federal Certification response # 8 Air Quality Conformity."

##### **Product:**

**Technical analysis and policy development work concerning the analysis of conformity determinations.**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.87 %

##### **TASK: 03-090.SCGS3**

##### **Conform Analysis for 2002 RTIP & 2004 RTP**

Project Lead: KEYNEJAD

02-03 Tasks:

Conduct conformity finding for the 2002 RTIP based on the 2001 Regional Transportation Plan (RTP) and begin conformity analysis for 2004 RTP.

03-04 Tasks:

Completion of the conformity analysis for the 2004 RTP and RTIP.

##### **Product:**

**Conformity finding for 2002 RTIP**

Start: 07/01/2002 End: 06/30/2003 Percent: 11.40 %

**TASK: 03-090.SCGS4**

**Congestion Mgmt Syst Report**

Project Lead: KEYNEJAD

02-03 Tasks:

Develop the Congestion Management System report as part of the triennial federal planning certification.

"This work element addresses the Federal Certification response # 7 Congestion Management System."

**Product:**

**Congestion Management System Report**

Start: 07/01/2002 End: 06/30/2003 Percent: 1.89 %

**TASK: 03-090.SCGS5**

**Aviation & Environmental Planning**

Project Lead: ARMSTRONG

02-03 Tasks:

Evaluate State mandated transportation and energy plans and environmental programs as they relate to current SCAG environmental transportation policies. Provide comments report on regional environmental and transportation policies and issues.

**Product:**

**SCAG comments on Environmental Aspects of Plans and Projects, Reports on Regional Environmental/Transportation Policies and Issues.**

Start: 07/01/2002 End: 06/30/2003 Percent: 7.58 %

**TASK: 03-090.SCGS6**

**Transp. Ctrl Measure Update & Revision**

Project Lead: HOFFMAN

02-03 Tasks:

Analyze the emission reductions resulting from Transportation Control Measures (TCM) Programs and develop strategies that improve the effectiveness of such programs. This task focuses on plans and strategies that support the development of programs to reduce air pollution from motor vehicles pursuant to regional air quality management plans and provisions of the California Clean Air Act, including support of the AB2766 Clean Fuel Vehicle Incentive Programs and Voluntary Emissions Reductions Plans.

**Product:**

**Revised Transportation Control Measures for 2004 RTP and AQMP**

Start: 07/01/2002 End: 06/30/2003 Percent: 29.07 %

**TASK: 03-090.SCGS7**

**Second Generation Regional Energy Plan**

Project Lead: PFEFFER

02-03 Tasks:

Revise SCAG energy plan to incorporate more sophisticated energy supply and demand forecasts, modeling of likely environmental impacts, scenario assessments, benefit-cost analysis, and policy development.

**Product:**

**Second-Generation SCAG Regional Energy Plan**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.85 %

**TASK: 03-090.SCGS8**

**Regional Forums on Planning Linkages**

Project Lead: PFEFFER

02-03 Tasks:

Conduct two regional forums on the linkages between land use,

energy, and transportation planning. Plan, coordinate, schedule and prepare materials for the forums.

**Product:**

**Regional Forums on Planning Linkages**

Start: 07/01/2002 End: 06/30/2003 Percent: 1.03 %

**TASK: 03-090.SCGS50**

**Work Element Admin, Coord & Mngmnt**

Project Lead: HOFFMAN

02-03 Tasks:

Monitor budget/expenditure status, identify issues, prepare regular progress reports, provide input to mid year OWP amendment for the work element. Provide work element contract management including scope, review of progress and invoice approval. Provide for work element agenda item preparation and management record keeping. Provide logistical support to SCAG Committees and task forces involving work element items, reports and issues.

**Product:**

**Quarterly Progress Report**

**Amendment Data**

**Contract and Work Element**

**Work Records**

**Agenda Items**

**Reports and Records**

Start: 07/01/2002 End: 06/30/2003 Percent: 7.40 %

**TASK: 03-090.CLAC1**

**Continuing City of LA Environ. Planning**

Project Lead: HOFFMAN

Continuing subregional work.

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP).

02-03 Tasks:

Identify local projects/programs that generate on-road mobile source emission reductions; provide briefing/outreach to stakeholders, SCAG delegates and elected officials on transportation-related air quality issues.

01-02 WBS: 02-0011.CLAC1

**Product:**

**Interagency Coordination in Overall Air Quality Activities**

**Participate in the Development of the 2003 RTP and 2003 AQMP**

**Identify Local Projects and Programs which Generate On-Road**

**Mobile Source Emission Reduction**

**Provide Briefing and Outreach to Stakeholders, SCAG Delegates and Elected Officials on Transportation-Related Air Quality Issues.**

Start: 07/01/2002 End: 03/31/2003 Percent: 2.25 %

**TASK: 03-090.CVGC1**

**CVGC RTP EIR**

Project Lead: HOFFMAN

Continuing subregional consultant work.

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP). Participated in interagency meetings.

Attended conformity working group meetings, EEC and TCC committee meetings to provide status of AQMP.

02-03 Tasks:

Complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.

03-04 Work:

Provide analysis, input and comments into RTP.

**Product:**

**Memo/reports on 2001 AQMP subregional impacts.**

Start: 07/01/2002 End: 06/30/2003 Percent: 1.05 %

**TASK: 03-090.GTWC1**

**Gateway Cities RTP EIR Sierra Research**

Project Lead: HOFFMAN

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP). Participated in interagency meetings.

Attended conformity working group meetings, EEC and TCC committee meetings to provide status of AQMP.

02-03 Tasks:

Complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.

01-02 WBS: 02-0011.GTWC1

**Product:**

**Consultant Analysis of Subregional Impact of Air Quality Measures**

Start: 07/01/2002 End: 03/31/2003 Percent: 3.48 %

**TASK: 03-090.GTWS1**

**Gateway Cities RTP EIR**

Project Lead: HOFFMAN

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP).

02-03 Tasks:

Work with consultant in task 03-090.GTWC1 to complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.

01-02 WBS: 02-0011.GTWS1

**Product:**

**Staff Support for Consultant Analysis of Subregional Impact of Air Quality Measures**

Start: 07/01/2002 End: 03/31/2003 Percent: 0.99 %

**TASK: 03-090.SBCC1**

**Southbay RTP EIR Sierra Research**

Project Lead: HOFFMAN

Continuing subregional work.

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP). Participated in interagency meetings.

Attended conformity working group meetings, EEC and TCC committee meetings to provide status of AQMP.

02-03 Tasks:

Complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.



01-02 WBS: 02-0011.SBCC1

**Product:**

**Memos/Reports on AQMP Subregional Impacts**

Start: 07/01/2002 End: 03/31/2003 Percent: 0.70 %

**TASK: 03-090.SGVC1**

**SGVC RTP EIR**

Project Lead: HOFFMAN

Continuing subregional consultant work.

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP).

02-03 Tasks:

Complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.

03-04 Work:

Provide analysis, input and comments into RTP.

01-02 WBS: 02-0011.SGVC1

**Product:**

**Memo/reports on 2001 AQMP subregional impacts.**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.04 %

**TASK: 03-090.WRCS1**

**WRCOG RTP EIR**

Project Lead: HOFFMAN

Continuing subregional work.

Previous Accomplishments:

Participate in AQMD rule making, primarily PR 1133, review and prepared comments to AQMD Chair Glovers initiatives.

02-03 Tasks:

Complete subregional input to refinement of Air Quality Management Program including analysis of measures impacting the subregion and participation in technical review of proposed measures.

01-02 WBS: 02-0011.WRCS1

**Product:**

**Briefing Materials Related to Proposed Strategies**

**Participation in Related meetings, Workshops with Stakeholders and Agencies**

**Working Paper/Status Reports and Summaries**

Start: 07/01/2002 End: 03/31/2003 Percent: 2.95 %

**TASK: 03-090.IVGC2**

**IVAG RTP EIR**

Project Lead: HOFFMAN

Continuing subregional work.

Previous Accomplishments:

Tracked developments of South Coast Air Quality Management Plan (SCAQMP).

02-03 Tasks:

Provide input for RTP relative to air quality by working with the Imperial County Air Pollution Control District to identify/analyze local air quality issues, policies, programs, and projects.

01-02 WBS: 02-0011.IVGC1

**Product:**

**Memos/Reports on 2003 AQMP Subregional Impacts**

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Start: 07/01/2002 End: 03/31/2003 Percent: 1.09 %

**03-100 Aviation**  
**Lead: MACIAS****\$ 1,733,333**  
**Aviation & Env. Planning**

03-100

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	0		0		
FTA 5303	0	0			
SP&R	0	0			
Federal - Other	1,560,000	0	1,560,000 F2		
TDA	0		0		
State - Other	0	0			
Cash Match	0	0			
3rd Party Commitments (In-Kind Services)	173,333		173,333		
Local - Other	0	0			
<b>Total(s)</b>	<b>1,733,333</b>	<b>0</b>	<b>1,733,333</b>	<b>0</b>	<b>0</b>

F2 FAA

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	0			0	
Temporary Employees	0				
Indirect costs	0				
Printing	0				
Travel	0				
SCAG Consultant	1,560,000		1,560,000		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	173,333		173,333		
<b>Total(s)</b>	<b>1,733,333</b>	<b>0</b>	<b>1,733,333</b>	<b>0</b>	<b>0</b>

**WE Desc:**

The regional airspace analysis is a two-year program designed to analyze the feasibility of the adopted aviation plan (in terms of airspace constraints) over the next 25 years. The analysis will evaluate the adopted plan, various airspace constraints and choke-points, which will allow for pro-active mitigation. SCAG has planned a preliminary analysis after 12 months that could be incorporated into the Regional Transportation Plan, depending on when funding is received. Alternatively, final results can be incorporated into either 1) an amendment to the 2004 Regional Transportation plan, if necessary, or 2) incorporation into the 2007 Regional Transportation Plan. The first phase of this project will involve collection of aviation data, updating of forecasts and the performance of various studies. Analysis will update aviation forecasts for the 2004 Regional Transportation Plan. The update will include changes to aviation forecasts, capacity and services following the September 11 2001 terrorist attacks, as well as incorporating local aviation policy decisions. The airspace analysis builds on previous continuous aviation system planning analyses conducted while developing the adopted aviation plan. These analyses include

forecast of passenger demand, air cargo demand and operational estimates for each existing and proposed commercial service airports; physical capacity of regional commercial service airports; regional traffic impacts of the adopted aviation plan; and Environmental impacts of the adopted aviation plan. The Airspace Analysis will accommodate updated forecasts under the continuous aviation system planning.  
Project Duration: July 2002 - June 2004

**TASKS/PRODUCTS**

**TASK: 03-100.SCGC1**

**Airspace Analysis**

Project Lead: MACIAS

Continuing consultant work.

02-03 Tasks:

Develop an airspace analysis for the aviation component of the 2004 RTP.

**Product:**

**Airspace Analysis Report**

Start: 10/01/2002 End: 06/30/2003 Percent: 100.00 %

**03-110 Geographic Information System Support \$ 685,640**  
**Lead: LEE Modeling/GIS**

03-110

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	439,182	377,690	61,492		
FTA 5303	167,815	144,318	23,497		
SP&R	0	0			
Federal - Other	0	0			
TDA	29,483	18,472	11,011		
State - Other	0	0			
Cash Match	0	0			
3rd Party Commitments (In-Kind Services)	49,160	49,160			
Local - Other	0	0			
<b>Total(s)</b>	<b>685,640</b>	<b>589,640</b>	<b>96,000</b>	<b>0</b>	<b>0</b>

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	242,124	242,124	0		
Temporary Employees	0				
Indirect costs	281,856	281,856			
Printing	3,500	3,500			
Travel	3,000	3,000			
SCAG Consultant	96,000		96,000		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	10,000	10,000 B			
3rd Party Commitments (In-Kind Services)	49,160	49,160			
<b>Total(s)</b>	<b>685,640</b>	<b>589,640</b>	<b>96,000</b>	<b>0</b>	<b>0</b>

B Data Purchases

**WE Desc:**

The GIS project includes maintenance of GIS software, database and coverages; production of maps and other spatial analysis products in support of regional and subregional planning efforts; coordination with local agencies and GIS collaboratives to improve efficiencies and address the State GIS Council objectives; and continued upgrade and enhancement of GIS tools and database. GIS products will be developed/provided in support of the RTP, RTP EIR, Growth Visioning, transit planning, and other transportation planning programs. In order to produce the required maps, the GIS will be enhanced to acquire and maintain the required coverages and layers. SCAG will coordinate with the subregions and the State GIS Council to foster the formation of interest-area GIS Regional Councils within the SCAG region. SCAG will also prepare products and data sets in response to the State Homeland Security requirements.

In addition, SCAG will produce high-priority technical enhancements to the GIS to increase the capacity in meeting the regional and subregional planning requirements, including enhanced ability to utilize the web for acquisition, sharing, and dissemination of GIS products. During FY 2001-02

the GIS section was able to complete and bring on-line the Interactive Mapping software, develop a Park-and-Ride database, delivered the Web Accessible Geodata Search software to the operating staff. In addition, support was provided on the processing of 2000 Census Tigerline files, the digital aerial photography, and the processing of the 2000 employment data base and support for the State of the Region report.  
Project Duration: July 2002 - June 2003

#### **TASKS/PRODUCTS**

##### **TASK: 03-110.SCGC1 GIS Mapping/Database Suprt USC Map Sup**

Project Lead: BURKE

Continuing consultant work.

Previous Accomplishments:

1) Assisted in production of maps for SCAG staff and outside clients. 2) Prepared map layers for Internet map server. 3) Reviewed and edited project information for RTIP. 4) Assisted in the update of model networks.

02-03 Tasks:

Provide GIS mapping and database support to SCAG the Regional Modeling and GIS section.

01-02 WBS: 02-0015.SCGC1

##### **Product:**

**Weekly reports on intern activities**

**Provide written instructions to successors of activities engaged in at transition.**

**Provide bi-monthly, or on intern termination, a summary of project activities / file locations/ and file status**

Start: 07/01/2002 End: 06/30/2003 Percent: 14.00 %

##### **TASK: 03-110.SCGS1 GIS Technical Support**

Project Lead: MADER

02-03 Tasks:

Respond to requests for map and spatial products. Improve GIS database quality with additional acquisitions and updates of current data. Coordinate GIS activity and develop guidelines for defining acceptable GIS databases and practices in the SCAG region.

##### **Product:**

**Maps, Tables, and Data Sets As Requested, GIS Macros and Procedures For Displaying Map Graphics, GIS Spatial Macros and Procedures to Supply more Thorough Analysis, Catalogue New Data Sets, Macros, and Procedures**

Start: 07/01/2002 End: 06/30/2003 Percent: 40.80 %

##### **TASK: 03-110.SCGS2 Web Site GIS Applications Upgrades**

Project Lead: MADER

02-03 Tasks:

Continue to develop and improve a GIS centerline based travel demand model network. Incorporate additional attributes and data to facilitate the definition of model scenarios.

##### **Product:**

**GIS Datasets and Travel Demand Networks, GIS Modeling Data Sets Needed for Model Scenarios, Centerline Data Sets**

Start: 07/01/2002 End: 06/30/2003 Percent: 24.28 %

**TASK: 03-110.SCGS3**

**Mechanisms to Enhance Database**

Project Lead: MADER

02-03 Tasks:

Enhance and maintain current GIS internet applications to industry standards

**Product:**

**Web Site GIS Applications Upgrades**

Start: 07/01/2002 End: 06/30/2003 Percent: 9.80 %

**TASK: 03-110.SCGS50**

**Work Element Admin, Coord & Mngmnt**

Project Lead: LEE

02-03 Tasks:

Monitor budget/expenditure status, identify issues, prepare regular progress reports, provide input to mid year OWP amendment for the work element. Provide work element contract management including scope, review of progress and invoice approval. Provide for work element agenda item preparation and management record keeping. Provide logistical support to SCAG Committees and task forces involving work element items, reports and issues.

**Product:**

**Quarterly Progress Report**

**Amendment Data**

**Contract and Work Element**

**Work Records**

**Agenda Items**

**Reports and Records**

Start: 07/01/2002 End: 06/30/2003 Percent: 11.12 %

**03-120 Goods Movement**  
**Lead: IKHRATA**

**\$ 892,692**  
**Transp Planning & Anal.**

03-120

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	547,333	245,569	103,633	28,824	169,307
FTA 5303	242,968	93,833	73,427	11,015	64,693
SP&R	0	0			
Federal - Other	0	0			
TDA	34,950	12,010	22,940		
State - Other	0	0			
Cash Match	24,595	0		5,161 c8	19,434 c9
3rd Party Commitments (In-Kind Services)	42,846	31,963		0	10,883
Local - Other	0	0			
<b>Total(s)</b>	<b>892,692</b>	<b>383,375</b>	<b>200,000</b>	<b>45,000</b>	<b>264,317</b>

C8 WRCOG-\$5,161

C9 SANBAG-\$19,434

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	144,672	144,672			
Temporary Employees	17,710	17,710			
Indirect costs	189,029	189,029			
Printing	0				
Travel	0				
SCAG Consultant	200,000		200,000		
Subregion	45,000			45,000	0
Subregion Consultant	253,434			0	253,434
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	42,846	31,963			10,883
<b>Total(s)</b>	<b>892,692</b>	<b>383,375</b>	<b>200,000</b>	<b>45,000</b>	<b>264,317</b>

**WE Desc:**

The goods movement program at SCAG is recognized nationally as a leader in the field of goods movement planning through its work in developing and advancing the Alameda Corridor, Southwest Passage and Freight Factor concepts. The goods movement program continues to lead in this area by qualifying and forecasting the need for the Goods Movement Program substantiates and forecasts the need for goods movement facilities throughout the region by analyzing and quantifying the respective contributions to regional mobility attributable to the various transportation modes and facilities, including those associated with rail, road, and air operations. Federal, state, local, and private sector funding strategies are evaluated to identify innovative and alternative mechanisms for freight-related capacity improvements related to airports and marine ports; dedicated truck lanes and truck climbing lanes, the overall enhancement of regional mobility; multi-modal transfer yards; and to grade separation projects. A major effort will involve determining the feasibility and financial and management issues and opportunities to implement a truck lane on Route 60.

Project Duration: July 2002 - June 2003



**TASKS/PRODUCTS**

**TASK: 03-120.SCGC1 Rail Related Frght Mvmt Tech Sup G Fetty**

Project Lead: Griffin

Continuing consultant work.

Previous Accomplishments: Through FY01-02, 25% of original scope accomplished

Negotiations initiated with private RR. Developed methodology for estimating rail line capacity requirements.

02-03 Tasks:

Provide technical/advisory assistance to SCAG staff in rail-related freight movement programs; enhance work relationships with railroads/other entities to identify mutually beneficial infrastructure improvements needed for freight /passenger rail movement; work with Goods Movement Advisory Committee to strengthen public/private participation in SCAG goods movement planning efforts.

01-02 WBS: 02-0051.SCGC1

**Product:**

**Rail congestion relief program in the region including rail line capacity, grade separations and intermodal facilities. Agreements with the railroads, including the use of innovative financing programs for the purpose of congestion relief and accomodation of projects future growth.**

Start: 07/01/2002 End: 12/31/2002 Percent: 16.80 %

**TASK: 03-120.SCGS1 Goods Movement Cmpmnt for Drft 2004 RTP**

Project Lead: Griffin

02-03 Tasks:

Provide project management technical support services and freight industry-governmental communication and coordination services for the Goods Movement Advisory Committee (GMAC).

Develop the goods movement component of the 2004 Draft RTP.

**Product:**

**Goods Movement Component for the Draft 2004 RTP**

Start: 10/01/2002 End: 06/30/2003 Percent: 15.45 %

**TASK: 03-120.SCGS2 Truck Route Map Development**

Project Lead: Griffin

02-03 Tasks:

Collect existing truck route data and maps and establish a Regional Truck Route Map in GIS format. Obtain census of local governments on current existing truck routes and prohibitions.

**Product:**

**Regional Truck Route Map**

Start: 07/01/2002 End: 06/30/2003 Percent: 7.36 %

**TASK: 03-120.SCGC3 LA Mainline**

Project Lead: Griffin

Continuing Consultant Work:

Previous Accomplishments:

Inventory of existing track and operating parameters completed, simulation of rail network and alternative senario analyses completed. Economic analysis completed.

02-03 Tasks:

Provide analysis on the competitiveness of the San Pedro Bay

ports vs. other West Coast ports in attracting discretionary traffic; provide estimate on proportion of container traffic at west coast ports that is discretionary, establish elasticities of demand; conduct survey of infrastructure development costs that could be capitalized to some extent by user fees.

01-02 WBS: 02-0051.SCGC1

**Product:**

**Report on the competitive position of the San Pedro Bay ports relative to major routes, with emphasis on discretionary traffic.**

**Report on level of container fees that would drive discretionary traffic away from the San Pedro Bay ports, and allowable levels of project finance or capitalization**

Start: 07/01/2002 End: 06/30/2003 Percent: 5.60 %

**TASK: 03-120.SCGS3**

**Urban Bypass Truck Route Cor Study**

Project Lead: Griffin

02-03 Tasks:

Catalog urban bypass truck route concepts developed by subregions and prepare a report that documents the findings, analysis and recommendations.

**Product:**

**Urban Bypass Truck Route Corridor Study**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.20 %

**TASK: 03-120.SCGS4**

**Warehouse Logistics Study Phase II**

Project Lead: Griffin

02-03 Tasks:

Develop a GIS-based regional warehouse and distribution network capable of supporting analysis of regional logistic system improvements and modifications, such as the developing of inland ports and the development of dedicated truck lanes.

**Product:**

**Warehouse Logistics Study Phase II**

Start: 10/01/2002 End: 06/30/2003 Percent: 1.94 %

**TASK: 03-120.SCGS5**

**Highway Shipper & Trucker Data Study**

Project Lead: Griffin

02-03 Tasks:

Analyze the most effective ways to survey truckers and shippers, while guaranteeing confidentiality of information, for general, regional trucking survey applications. Interview shippers, receivers and truckers to obtain data on the use of SR-60 by truckers.

**Product:**

**Highway Shipper & Trucker Data Study**

Start: 07/01/2002 End: 06/30/2003 Percent: 2.57 %

**TASK: 03-120.SCGS6**

**Warehouse Extended Hours of Delivery**

Project Lead: Griffin

02-03 Tasks:

Conduct a survey of warehouse in the region and for which types of facilities and industries extended hours of delivery would be feasible. Determine the costs and benefits of extended hours of delivery, including congestion and air

quality benefits that could be achieved. Conduct a survey of local city truck regulations and restrictions which would be detrimental to extended hours of delivery, and develop a strategic plan for implementing such changes.

**Product:**

**Warehouse Extended Hours of Delivery Study**

Start: 10/01/2002 End: 06/30/2003 Percent: 3.79 %

**TASK: 03-120.SCGS7**

**Rail Mnlne Capacity Prjct Mngment/Sprt**

Project Lead: Griffin

Continuing staff work.

Previous Accomplishments: Completed an economic analysis on alternative rail network scenarios.

02-03 Tasks:

Continue evaluation of railroad mainline capacity improvement needs, of funding and financial requirements, of alternative financing mechanisms, of environmental impacts and mitigation, and of necessary grade separation projects such as the Colton Crossing.

01-02 WBS: 02-0051

**Product:**

**Railroad Mainline Capacity Program**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.29 %

**TASK: 03-120.SCGS8**

**Intermodal Facilities Prjct Mngmnt/Suprt**

Project Lead: Griffin

02-03 Tasks:

Evaluate the need for additional railroad intermodal terminals, including domestic intermodal facilities in the Inland Empire and near-dock facilities for marine traffic. Consider optimal locations, logistics aspects, sizing and costs, funding and financing options including innovative financing packages and possible joint use of some facilities by both main line railroads. Consider combinations of domestic intermodal and supporting inland marine intermodal terminal operations, including various operational and technological concepts for supporting transfer, sorting, and empty storage for transcontinental (bridge) traffic, and short range shuttle operations that might supplement the regional truck lane system in linking the San Pedro Bay ports with the Inland Empire. Consider the economic, congestion relief and environmental benefits of introducing new intermodal terminals will be considered, including the synergy between railroads, trucking, and air cargo facilities in the Inland Empire, co-locations or nearby location of warehousing, light industry, and various kinds of third party logistics firms, and overall shipper logistics advantages.

**Product:**

**Report on Benefit Analysis of Intermodal Terminals**

Start: 10/01/2002 End: 06/30/2003 Percent: 1.46 %

**TASK: 03-120.SCGS60**

**Contract Administration**

Project Lead: IKHRATA

02-03 Tasks:

Prepare and process SCAG contracts and Memorandum of Understanding including Request for Proposals, oversight of Contract selection, preparation of contracts and maintenance

of contract records and tracking system.

**Product:**

**Request for Proposals, Contracts, Contract Amendments,  
Contract Records.**

Start: 07/01/2002 End: 06/30/2003 Percent: 3.89 %

**TASK: 03-120.NLAC1**

**County of LA Goods Mvmt Meyer Mohaddes**

Project Lead: Griffin

Continuing subregional work.

Previous Accomplishments:

Scoping completed and consultant selected

02-03 Tasks:

Perform data collection and analysis and prepare truck study  
report covering the subregion.

01-02 WBS: 02-0051.NLAC1

**Product:**

**Report on North Los Angeles County Truck Impact and Facility  
Needs**

Start: 07/01/2002 End: 12/31/2002 Percent: 10.63 %

**TASK: 03-120.SBGC1**

**SANBAG Goods Movement**

Project Lead: Griffin

Continuing subregional work.

Previous Accomplishments:

Scoping completed and consultant selected

02-03 Tasks:

Develop strategies and planning tools to improve truck access  
at intermodal and truck activity centers in the western Inland  
Empire area by documenting truck routes & restrictions,  
compiling truck classification counts, trip generation rates  
by facility type and O/D survey with Inland Empire CTA  
support.

01-02 WBS: 02-0051.SBGC1

**Product:**

**Document Truck Routes and Restrictions**

**Truck Classification Counts**

**Trip Generation Rates by Facility Type**

**O/D Survey with I.E. CTA Support**

Start: 07/01/2002 End: 12/31/2002 Percent: 18.98 %

**TASK: 03-120.WRCS1**

**WRCOG Goods Movement**

Project Lead: Griffin

Continuing subregional work.

Previous Accomplishments:

RFP and scoping documents developed.

02-03 Tasks:

Support development of a comprehensive regional forecasting  
model that estimates the flow of international and domestic  
cargo by coordinating with CETAP to complete further analysis  
on arterials, potential truck routes, and analysis of  
intermodal needs.

01-02 WBS: 02-0051.WRCS1

**Product:**

**Policies and Technical Recommendations for Economic Strategies**

**GIS Maps of Economic Centers and Trend Areas-Final Report**

Start: 07/01/2002 End: 12/31/2002 Percent: 5.04 %

**03-121 SR-60 Corridor Improvement Study \$ 1,000,000**  
**Lead: IKHRATA Transp Planning & Anal.**

03-121

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	0	0	0		
FTA 5303	0	0			
SP&R	0	0			
Federal - Other	0	0			
TDA	0	0	0		
State - Other	1,000,000	106,520 S2	893,480 S2		
Cash Match	0	0			
3rd Party Commitments (In-Kind Services)	0	0			
Local - Other	0	0			
<b>Total(s)</b>	<b>1,000,000</b>	<b>106,520</b>	<b>893,480</b>	<b>0</b>	<b>0</b>

S2 State, Transportation, Congestion Relief Program

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	49,221	49,221		0	
Temporary Employees	0				
Indirect costs	57,299	57,299			
Printing	0				
Travel	0				
SCAG Consultant	893,480		893,480		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	0	0			
<b>Total(s)</b>	<b>1,000,000</b>	<b>106,520</b>	<b>893,480</b>	<b>0</b>	<b>0</b>

**WE Desc:**

Continuing and building upon previous work accomplished with the SR-60 Truck Feasibility Study, this study will identify and evaluate inter-modal and multimodal transportation solutions associated with the implementation of dedicated truck lanes on the SR-60 extending from the I-710 to the I-15. Also this study will examine the relationship and impact between the SR-60 and I-10. The study will proceed in close partnership with state and local agencies, and will include other concerned stakeholders in the development of transportation solutions to enhance regional mobility and public safety, protect the environment and quality of life. Project Duration: October 2002 - December 2004

**TASKS/PRODUCTS**

**TASK: 03-121.SCGC1**

**Consultant SR-60 Corridor Imprvmnt Study**

Project Lead: GRIFFIN

02-03 Tasks:

Establish project management and collect existing data sufficient to create a GIS depiction of the subject corridor that will serve as the basis for alternative dedicated truck

lane development scenario analyses. Prepare report of analyses and recommendation of preferred corridor development strategy to include financial feasibility and structuring together with documentation to complete regulatory and legislative requirements in advance initiation of physical construction.

**Product:**

**Development of a dedicated truck lane scenario analyses and a Report of Preferred Corridor Development Strategy**

Start: 10/01/2002 End: 06/30/2003 Percent: 89.35 %

**TASK: 03-121.SCGS1**

**Project Management & Coordination**

Project Lead: GRIFFIN

02-03 Tasks:

Staff will provide initial planning analysis and project scoping.

**Product:**

**Initial Planning Analyses and Project Scoping.**

Start: 10/01/2002 End: 06/30/2003 Percent: 3.25 %

**TASK: 03-121.SCGS60**

**Contract Administration**

Project Lead: IKHRATA

02-03 Tasks:

Prepare and process SCAG contracts and Memorandum of Understanding including Request for Proposals, oversight of Contract selection, preparation of contracts and maintenance of contract records and tracking system.

**Product:**

**Request for Proposals, Contracts, Contract Amendments, Contract Records.**

Start: 10/01/2002 End: 06/30/2003 Percent: 7.40 %

**03-130 Transit/TDM/HOV**  
**Lead: FARANESH**

**\$ 1,411,734**  
**Planning Coord & Spec Proj**

03-130

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	922,661	285,107	276,522	45,572	315,460
FTA 5303	321,054	108,941	74,161	17,413	120,539
SP&R	0		0	0	
Federal - Other	0	0			
TDA	66,261	13,944	52,317		
State - Other	0	0			
Cash Match	7,254	0		4,015 C10	3,239 C11
3rd Party Commitments (In-Kind Services)	94,504	37,109		4,146	53,249
Local - Other	0	0			
<b>Total(s)</b>	<b>1,411,734</b>	<b>445,101</b>	<b>403,000</b>	<b>71,146</b>	<b>492,487</b>

C10 WRCOG-\$4,015

C11 GCCOG-\$3,239

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	184,852	184,852			
Temporary Employees	2,751	2,751			
Indirect costs	218,389	218,389			
Printing	1,000	1,000			
Travel	1,000	1,000			
SCAG Consultant	403,000		403,000		
Subregion	67,000			67,000	
Subregion Consultant	439,238				439,238
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	94,504	37,109		4,146	53,249
<b>Total(s)</b>	<b>1,411,734</b>	<b>445,101</b>	<b>403,000</b>	<b>71,146</b>	<b>492,487</b>

**WE Desc:**

Under the guidance of SCAG's policy and technical task forces, work with the sub-regions, transit operators and transportation commissions to develop studies which support and implement the identified regional transportation system growth goals and objectives that will further develop the Transit/TDM/HOV component of the 2004 RTP.

These studies and strategies will include the identification of transit projects for inclusion in the updates and amendments to the adopted RTP, the identification and support of transit restructuring methods and applications, and the selection of potential regional transportation demand management (TDM) applications, including products of Long Range Transportation Corridor Planning (WBS 03-160), bike and pedestrian transportation planning, park and ride facilities capacity studies vanpool monitoring and reporting and the RTDM Task Force's Peer Review Group.

SCAG will also evaluate the effectiveness of HOV lanes region-wide (except Los Angeles County) and identify incentives for increased freeway/HOV lane-based ridesharing/vanpooling/bus pooling.

SCAG will also focus on the continuation its efforts in

working with the region's social service agencies, organizations and transportation providers to improve and enhance the mobility needs of the welfare-to-work recipients and low-income individuals. Accomplishments in the previous fiscal year include outreach, modeling and preliminary growth scenarios for the 2004 RTP, conducting transit funding workshops, the formation of TCC's RTDM Task Force and the initiation of subregional transit analyses to prepare for the 2004 RTP.

Project Duration: July 2002 - April 2004.

#### **TASKS/PRODUCTS**

##### **TASK: 03-130.SCGC1 Transit Gls/Visn& New Rt 5 Aztec/d Boyle**

Project Lead: GLICKERT

Continuing Consultant Work.

Previous Accomplishments: A final Draft Report on the Feasibility of Vanpools has been completed, and outreach to transit operators throughout the region has been conducted. Dan Boyle: Completed work includes: a project management plan, the final route service plan, ridership estimates, capital and operating requirements, and evaluation criteria.

02-03 Tasks: Produce technical analysis support needed to further develop regional transit goals and vision; prepare cost benefit analysis on final 2004 RTP transit scenarios; provide technical support and meeting coordination for 8 regional transit task force meetings. Prepare marketing plan and materials to introduce/promote the new Route 5. Conduct outreach meetings to the communities and provide ongoing monitoring/evaluation of the new service.

03-04 Tasks: Aztec Engineering: Draft of SCAG region transit goals, objectives, and transit growth scenarios (including a cost benefit analysis) for the 2004 RTP, Regional Transit Forum Support will continue through 11/2/03 as well as ongoing work needed for RTP preparation. Dan Boyle: Implementation of the marketing plan, continue preparation of required marketing materials, and a final report incorporating marketing plan and materials with previous planning and scheduling report.

01-02 WBS: 02-0063.SCGC1-2

##### **Product:**

**Report on cost benefit analysis for final 2004 RTP transit scenarios.**

**Marketing plan and outreach meetings.**

Start: 07/01/2002 End: 12/30/2002 Percent: 10.13 %

##### **TASK: 03-130.SCGS1 Regional Transit**

Project Lead: GLICKERT

02-03 Tasks:

Examine transit productivity/cost reduction strategies that will provide transportation demand modeling to address cost effectiveness of the transit system. Work with the subregions and county transportation commissions to develop transit studies which support and implement the identified transit growth goals and objectives and to identify transit project for inclusion in the updates and amendment to the adopted RTP. Identify and support transit restructuring methods and applications, which improve regional transit productivity and refine transit performance measures.



**Product:**

**Transit Component of the 2004 Draft RTP.**

Start: 07/01/2002 End: 06/30/2003 Percent: 19.11 %

**TASK: 03-130.SCGS3**

**Reg Trans Demand Mngmnt Planning**

Project Lead: Bowser

Continuing work.

Previous Accomplishments:

Coordinate regional effort and developed recommendations for corridor studies.

02-03 Tasks:

This project consists of a continuation of efforts in leading and coordinating the regional effort in planning and developing recommendations for regionwide deployment of the 511 telephone traveler information system, as a transition from the current 1-800-COMMUTE system. Work with the Regional Traveler Information System Committee to develop technical recommendations to the RTDM Task Force as the basis for policy direction and actions.

Determine the demographic characteristics of vanpoolers within the SCAG region. Develop long-term strategies in support of the 2004 Regional Transportation Plan's goals for vanpooling in the region. Develop strategies to enhance transportation services and programs for the low income and welfare-to-work population. Prepare a report with recommendations including economic and financial analysis.

Under the guidance of SCAG TCC/RTDM Task Forces, identify and select potential regional transportation demand management applications/strategies for use in the 2004 RTP that emerge as products of OWP funded transportation corridor studies (e.g. US-101, I-15, I-710, I-5/SR-14, SR-138, Lincoln and Coastal Arterial Corridors) non-motorized, regional vanpool, welfare-to-work and regional transit TDM planning analysis .

01-02 WBS: 02-0054

**Product:**

Regional Traveler Information System Committee support

Regional vanpool policy recommendations (final report)

511 telephone Regional Traveler Information System strategy and actions (final report)

Quarterly progress reports to the USDOT pertaining to OCTA's TravelTIP HAT migration project.

Vanpool Riders Demographic Survey Instrument

Vanpool Riders demographic Survey results

Vanpool Riders demographic survey Final report.

Ongoing Vanpool riders demographic survey final reports

Report on transportation service to enhance access to jobs for low income individuals and welfare recipients.

Non-motorized Plans, Case Studies, Recommended Strategies, RTDM Task Force support, RTDM Report and Recommendations (bicycle and pedestrian modes) and Revised TDM Elements for Draft 2004 RTP.

Start: 07/01/2002 End: 06/30/2003 Percent: 6.77 %

**TASK: 03-130.SCGC4**

**Metrolink Potential Rider Study Godbe**

Project Lead: Glickert

02-03 Tasks:

The Metrolink Potential Rider Study is an analysis to better understand the needs of potential Metrolink users, and to identify opportunities for service modifications to increase

transportation options for certain population groups, particularly the elderly and transit dependent individuals. This study is intended to identify the existence and magnitude of latent demand for commuter rail services along corridors served by SCRRA, and to determine how existing services could be modified and communicated to better meet the needs and preferences of potential riders within various target populations.  
01-02 WBS: 02-132.SCGC1

**Product:**

**Final Report and Findings**

Start: 07/01/2002 End: 06/30/2003 Percent: 11.33 %

**TASK: 03-130.SCGS4**

**Reg HOV Lane Effectiveness Study**

Project Lead: Bowser  
02-03 Tasks:

Working with subregions, county transportation commissions and Caltrans, through the TAC, evaluate the effectiveness of HOV lanes region-wide (except-LA County). Evaluate safety, air quality, congestion, mixed flow, off-peak use and freeway/HOV lane based ridesharing/vanpool/bus use.

**Product:**

**Traffic forecast and HOV scenario report**

**Final report on regional HOV effectiveness**

Start: 07/01/2002 End: 12/30/2002 Percent: 4.25 %

**TASK: 03-130.SCGC5**

**LAX/South High Speed Ground Access**

Project Lead: Samsten

Continuing consultant work.

02-03 Tasks: Evaluates high speed ground access and interconnectivity between and among LAX South, LAX, the Irvine Transportation Center and examines airport connectivity between LAX, Long Beach and John Wayne airports. 01-02 WBS: 02-0005.SCGC2

**Product:**

**Final Report on High Speed Ground Access in the LAX South Corridor**

Start: 07/01/2002 End: 06/30/2003 Percent: 7.08 %

**TASK: 03-130.SCGS50**

**Work Element Admin, Coord & Mngmnt**

Project Lead: Bowser

02-03 Tasks:

Monitor budget/expenditure status, identify issues, prepare regular progress reports, provide input to mid year OWP amendment for the work element. Provide work element contract management including scope, review of progress and invoice approval. Provide for work element agenda item preparation and management record keeping. Provide logistical support to SCAG Committees and task forces involving work element items, reports and issues.

**Product:**

**Quarterly Progress Report**

**Amendment Data**

**Contract and Work Element**

**Work Records**

**Agenda Items**

**Reports and Records**

Start: 07/01/2002 End: 06/30/2003 Percent: 1.40 %

**TASK: 03-130.AVGC1 Arroyo Verdug Transit/TDM/HOV**

Project Lead: GLICKERT

Continuing subregional work.

Previous Accomplishments:

Developed a Transit Service Plan

02-03 Tasks:

Complete the transit service assessment for the subregion.

03-04 Tasks: The IBI Group will Develop an Equipment and Technology Plan, identify ways to coordinate local transit services, identify ways to coordinate the operation of transportation management associations and organizations in the region, and develop a Strategic Financial Plan.

01-02 WBS: 02-0063.AVGC2

**Product:**

**Report on Arroyo Verdugo Transit Service and Operations Audit**

Start: 07/01/2002 End: 10/31/2002 Percent: 11.20 %

**TASK: 03-130.CLAC1 City of LA Transit/TDM/HOV**

Project Lead: Glickert

Continuing subregional work.

02-03 Tasks:

Prepare an analysis and documentation for creating a transit zone in the San Fernando Valley by determining transit service to be transferred, estimating the amount of capital/operating subsidy to be paid by LACMTA to the Zone, developing an organizational structure and staffing plan and preparing a draft operational/financial plan for the Zone.

03-04 Tasks:

Develop a draft and final operational and financial plan, conduct stakeholder briefings, identify potential negative impacts, develop a funding update, and handle final application preparation.

01-02 WBS: 02-0063.CLAC1

**Product:**

**Report on the Feasibility/Cost Effectiveness of a SFV Transit Zone**

Start: 07/01/2002 End: 11/27/2002 Percent: 5.20 %

**TASK: 03-130.CLAS1 City of LA Transit/TDM/HOV**

Project Lead: GLICKERT

02-03 Tasks:

Provide analysis of the installation of electronic message boards along the Los Angeles City Hall Shuttle route at three different locations.

03-04 Tasks:

Demonstrate a new passenger info. System with the installation of electronic message boards at selected City bus stops linked to transit corridors.

01-02 WBS: 02-0063.CLAS3

**Product:**

**Los Angeles Shuttle System Electronic Message Boards**

Start: 07/01/2002 End: 12/31/2002 Percent: 2.56 %

**TASK: 03-130.GTWC1 GTW Transit/TDM/HOV**

Project Lead: GLICKERT

Continuing subregional work.

Previous Accomplishments: Reviewed existing studies and data acquisition strategy. Kick off meetings were held. A report on the focus groups is being prepared.

02-03 Tasks: Complete the Gateway Cities transit-restructuring study in support of the implementation of improvements to regional transit productivity.

03-04 Tasks: Reports will be completed on assessing unmet and under-met transit needs in the study area, identifying specific recommendations for better system integration's and coordination, recommendations for more cost-effective delivery transit and paratransit services, and a needs assessment for a Transit Center. 01-02 WBS: 02-0063.GTWC1

**Product:**

**SABRE Study Report in the Gateway Cities COG**

Start: 07/01/2002 End: 08/30/2002 Percent: 2.00 %

**TASK: 03-130.SGVC1**

**San Gabriel Valley Transit Zone**

Project Lead: Glickert

Continuing subregional consultant work.

02-03 Tasks: The San Gabriel Valley COG will prepare a feasibility and cost-effectiveness analysis of the San Gabriel Valley Transit Zone.

03-04 Tasks: Consultant will develop a Draft Operationa and Financial Plan, hold stakeholder briefings, prepare potential negative impacts, prepare Zone application, conduct public hearings and complete an implementation assessment.

01-02 WBS: 02-0063.SGVC1

**Product:**

**Report on San Gabriel Valley Transit Zone Feasibility**

Start: 07/01/2002 End: 03/31/2003 Percent: 16.48 %

**TASK: 03-130.WRCS1**

**WRCOGTransit/TDM/HOV**

Project Lead: Glickert

Continuing subregional work.

02-03 Tasks: Complete transportation benchmarks/performance indicators for the subregional model, which supports the regional State of the Region Report and the Regional

Performance Monitoring Program. 01-02 WBS: 02-0032.WRCS1

**Product:**

**Annual State of the Subregion and Report Card**

Start: 07/01/2002 End: 03/31/2003 Percent: 2.48 %

**03-131 Prtnships Transit/Health Services \$ 343,600**  
**Lead: SANBAG Transp Planning & Anal.**

03-131

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	0		0		
FTA 5303	0	0			
SP&R	0		0		
5313 (b)	300,000		300,000		
TDA	0		0		
Federal - Other	0	0			
State - Other	0	0			
Cash Match	0	0			
Local - Other	43,600		43,600 L1		
<b>Total(s)</b>	<b>343,600</b>	<b>0</b>	<b>343,600</b>	<b>0</b>	<b>0</b>

L1 SANBAG, RCTC, IE Health Plan, Molina Healthcare, Kaiser, Healthnet, & Community Hospital of San Bern

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	0			0	
Temporary Employees	0				
Indirect costs	0				
Printing	0				
Travel	0				
SCAG Consultant	343,600		343,600		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	0	0	0		
<b>Total(s)</b>	<b>343,600</b>	<b>0</b>	<b>343,600</b>	<b>0</b>	<b>0</b>

**WE Desc:**

There is a lack of adequate knowledge within the healthcare industry and the transportation industry about shared transportation issues. This can result in increased treatment costs for healthcare providers and necessitate longer medical trips or unmet or undermet transportation needs by the transit industry. This lack of knowledge about shared issues leads to ineffective decision-making by both. Neither service system can single-handedly resolve these issues. This project proposes rigorous data collection efforts and transportation planning techniques that include spatial analysis of consumers needs within the two county region to develop recommended solutions. Proposed ideas will be tested through educational/informational workshops and focus groups to include Health Maintenance Organizations (HMO) staff, medical and physician association personnel, physicians office receptionists, hospital case managers, public transit staff and specialized transit providers, transportation planning agencies, and consumer representatives from targeted population groups. Ideas will be fine-tuned and presented to the governing bodies of the projects partners for implementation.

Project Duration: September 2002 - June 2003

**TASKS/PRODUCTS**

**TASK: 03-131.SCGC1                      Devlp Linkages Between Transit/Hlth Care**

Project Lead: GLICKERT

Develop data base and strategies to provide efficient and effective transit services associated with the health care needs in the two county region.

**Product:**

**Health Care Related Transit Needs Assessment and Data Base  
Final Report and Recommendations**

Start: 09/03/2002 End: 06/30/2003      Percent: 100.00 %

**03-132 Ontario Int Ground Access Plan**  
**Lead: Amatya**

**\$ 375,000**  
**Transp Planning & Anal.**

03-132

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	0		0		
FTA 5303	0	0			
SP&R	0		0		
5313 (b)	300,000		300,000		
TDA	0		0		
Federal - Other	0	0			
State - Other	0	0			
Cash Match	0	0			
Local - Other	75,000		75,000 L2		
<b>Total(s)</b>	<b>375,000</b>	<b>0</b>	<b>375,000</b>	<b>0</b>	<b>0</b>

L2 SANBAG

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	0		0		
Temporary Employees	0				
Indirect costs	0				
Printing	0				
Travel	0				
SCAG Consultant	375,000		375,000		
Subregion	0				
Subregion Consultant	0				
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	0	0	0		
<b>Total(s)</b>	<b>375,000</b>	<b>0</b>	<b>375,000</b>	<b>0</b>	<b>0</b>

**WE Desc:**

Ontario International Airport (ONT) and the surface transportation corridors in its vicinity are situated at the easterly end of the nationally significant, multi-modal Alameda East Corridor, running from downtown Los Angeles to the city of San Bernardino. Maintaining reliable and efficient flows of passenger and commercial vehicles within this corridor is of paramount importance to the overall performance of the regional goods movement system, and the capacity demands anticipated with the increase of activities at ONT have the potential to significantly impede or disrupt these flows. This project will be performed jointly by SANBAG, the city of Ontario, and SCAG, and focus on an impact area defined roughly as the immediate vicinity of ONT, bounded by I-215 to the east, SR-210 to the north, SR-91 to the south, and SR-71 to the west. Capacities and vehicle flows on highways, transit routes, rail lines, and major arterial streets that extend into, through, and away from the impact area will be analyzed to the extent that these impact ground access conditions in the study area.

Project Duration: August 2002 - June 2003

**TASKS/PRODUCTS**

**TASK: 03-132.SCGC1**

**Develop Ground Access Plan**

Project Lead: Amatya

Develop a Comprehensive Ground Access Improvement Plan that addresses all surface vehicle flows to accommodate future expansion of the Ontario International Airport.

**Product:**

**Comprehensive Ground Access Plan (GAP)**

Start: 08/01/2002 End: 06/30/2003 Percent: 100.00 %



**03-133 Transit Planning Training/Internship \$ 174,440**  
**Lead: Ikh rata Transp Planning & Anal.**

03-133

<b>Fund Source Budget</b>	<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	0	0		
FTA 5303	0	0		
SP&R	0	0		
5313 (b)	50,000	50,000		
TDA	0	0		
Federal - Other	0	0		
State - Other	0	0		
Cash Match	0	0		
3rd Party Commitments (In-Kind Services)	0	0		
Local - Other	124,440	124,440 L4		
<b>Total(s)</b>	<b>174,440</b>	<b>0 174,440</b>	<b>0</b>	<b>0</b>

L4 LACMTA

<b>Funds Application</b>	<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	0	0		
Temporary Employees	0			
Indirect costs	0			
Printing	0			
Travel	0			
SCAG Consultant	174,440	174,440		
Subregion	0			
Subregion Consultant	0			
Other Direct Costs	0			
3rd Party Commitments (In-Kind Services)	0	0		
<b>Total(s)</b>	<b>174,440</b>	<b>0 174,440</b>	<b>0</b>	<b>0</b>

**WE Desc:**

The purpose of this project is to provide fifteen (15) graduate and undergraduate students with a primary interest in mass transit, internship and training program in transit planning and transit related careers. The project would entail developing and implementing a training program, including introduction to mass transit program and profession, hands on training, workshops, recruitment, placement, and monitoring of progress.

Project Duration: September 2002 - June 2003

**TASKS/PRODUCTS**

**TASK: 03-133.SCGC1 Develop Training Program**

Project Lead: GLICKERT

Develop and implement an Internship and Training program in Transit Planning.

**Product:**

**Internship and Training work Program**  
**Lecture Series introducing the industry and the profession**  
**Special Workshops and field trips to transit agencies**

**Outreach Materials**  
**Recruitment and Placement Activities**  
**Progress Monitoring Program**

Start: 09/03/2002 End: 06/30/2003 Percent: 100.00 %

**03-140 Highway/Arterials**  
**Lead: Amatya**

**\$ 501,333**  
**Transp Planning & Anal.**

03-140

<b>Fund Source Budget</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
FHWA Planning	302,551	67,447		26,583	208,521
FTA 5303	141,280	25,772		35,831	79,677
SP&R	0	0			
Federal - Other	0	0			
TDA	3,298	3,298			
State - Other	0	0			
Cash Match	16,861	0		4,760 C12	12,101 C13
3rd Party Commitments (In-Kind Services)	37,343	8,779		3,326	25,238
Local - Other	0	0			
<b>Total(s)</b>	<b>501,333</b>	<b>105,296</b>	<b>0</b>	<b>70,500</b>	<b>325,537</b>

C12 WRCOG-\$4,760

C13 CVAG-\$8,603; GCCOG-\$3,498

<b>Funds Application</b>		<b>SCAG</b>	<b>SCAG Consultant</b>	<b>Subregion</b>	<b>Subregion Consultant</b>
Salaries & Fringe Benefits	42,457	42,457	0		
Temporary Employees	2,142	2,142			
Indirect costs	51,918	51,918			
Printing	0				
Travel	0				
SCAG Consultant	0				
Subregion	67,174			67,174	0
Subregion Consultant	300,299			0	300,299
Other Direct Costs	0				
3rd Party Commitments (In-Kind Services)	37,343	8,779		3,326	25,238
<b>Total(s)</b>	<b>501,333</b>	<b>105,296</b>	<b>0</b>	<b>70,500</b>	<b>325,537</b>

**WE Desc:**

Working with the county transportation commissions, Caltrans and the local entities SCAG will assess the regions roadway conditions. SCAG will assess the relationships between current investment levels on operations and maintenance and the physical condition of the roadway system. Also, SCAG will develop a Strategic Framework for investment on arterials for ensuring an acceptable level of maintenance of our transportation system. SCAG's accomplishments in the fiscal year 01/02 included development of a coordinated strategy for Arterial improvements in the RTP, including development and identification of smart street corridors, comprehensive needs assessment and emphasis on arterial O&M.  
 Project Duration: July 2002 - June 2003

**TASKS/PRODUCTS**

**TASK: 03-140.SCGS1**

**Strategic Framework for Arterial System**

Project Lead: Amatya

Develop a Strategic Framework for investment on arterial so that the performance of the arterial system, and ultimately our transportation system, is maximized. Conduct analysis on

data related to arterial system, including traffic data.  
Prepare technical reports based on analysis.

**Product:**

**Strategic Framework for Arterial System Improvement Study  
Highway/Arterial planning component for Draft 2004 RTP**

Start: 07/01/2002 End: 08/30/2002 Percent: 8.06 %

**TASK: 03-140.SCGS3**

**Highway & Arterials Planning**

Project Lead: Amatya

Assess relationships between current investment levels on operations and maintenance and the physical condition of the roadway system. Develop recommendations for ensuring an acceptable level of maintenance of our transportation system.

**Product:**

**Analysis and Report on Current Operating and Maintenance  
Roadway System Funding Data in the Region**

Start: 07/01/2002 End: 09/30/2002 Percent: 3.95 %

**TASK: 03-140.SCGS50**

**Work Element Admin, Coord & Mngmnt**

Project Lead: Amatya

Monitor budget/expenditure status, identify issues, prepare regular progress reports, provide input to mid year OWP amendment for the work element. Provide work element contract management including scope, review of progress and invoice approval. Provide for work element agenda item preparation and management record keeping. Provide logistical support to SCAG Committees and task forces involving work element items, reports and issues.

**Product:**

**Quarterly Progress Report  
Amendment Data  
Contract and Work Element  
Work Records  
Agenda Items  
Reports and Records**

Start: 07/01/2002 End: 06/30/2003 Percent: 8.99 %

**TASK: 03-140.CLAC1**

**City of LA Hwy/Arterials**

Project Lead: Amatya

Previous Accomplishments:

RFP has been developed pending final approval and distribution.

02-03 Tasks:

Prepare Lincoln Corridor Improvement Study by performing following tasks: community outreach, create urban design inventory, identify/analyze existing/future conditions, identify/evaluate alternatives.

01-02 WBS: 02-0064.CLAC1

**Product:**

**Administration and Management of Work Plan  
Community Outreach and Vision Statement  
Urban Design Inventory  
Existing and Future Conditions Report  
Identify Alternatives- Community Meeting  
Evaluate Transportation Enhancement Alternatives**

Start: 07/01/2002 End: 12/31/2002 Percent: 4.51 %

**TASK: 03-140.CVGC1**

**CVAG Hwy/Arterials -Parsons Brinkerhoff**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Consultant selection process has been completed pending final approval of the contract by Caltrans.

02-03 Tasks:

Continued work on the South-East By-pass Study analyzing the variations of the preferred route alignment through the eastern edge of Imperial, Riverside and San Bernardino Counties.

01-02 WBS: 02-0064.CVGC1

**Product:**

**South-East Bypass Study.**

Start: 07/01/2002 End: 12/31/2002 Percent: 14.96 %

**TASK: 03-140.CVGS1**

**CVAG Hwy/Arterials**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Pavement Management Analysis was completed pending submittal of Final Report.

02-03 Tasks:

CVAG will complete analysis of local jurisdiction street and road conditions and develop pavement management program, translating into projects which reflect financial costs savings.

01-02 WBS: 02-0005.CVGS1

**Product:**

**Local Pavement Management Program/Cost Savings Report**

Start: 07/01/2002 End: 06/30/2003 Percent: 5.78 %

**TASK: 03-140.GTWC1**

**Gateway Hwy/Arterials - Charles Abbot**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Contract awarded and work underway. Preliminary data collection and review of existing documents and information has been completed.

02-03 Tasks:

In support of regional arterial planning, complete assessment of aging local streets, including pavement, curbs, gutters and sidewalks, and the impact on the sustainability of communities in the subregion.

01-02 WBS: 02-0064.GTWC2

**Product:**

**Infrastructure Needs Assessment**

Start: 07/01/2002 End: 12/31/2002 Percent: 6.08 %

**TASK: 03-140.IVGC1**

**IVAG Hwy/Arterials**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

RFP has been developed pending final approval and distribution.

02-03 Tasks:

In support of regional arterial planning, complete the

arterial planning needs analysis update of the subregion.  
01-02 WBS: 02-0064.IVGC1

**Product:**

**Subregional Arterial Needs Analysis**

Start: 07/01/2002 End: 12/31/2002 Percent: 7.21 %

**TASK: 03-140.LVMC1**

**LVM Hwy/Arterials - HDR**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Congestion Management Report for the subregion was completed.

02-03 Tasks:

Conduct final debriefing meetings with the subregion to discuss the land use/transportation/growth & congestion management report recently completed by the consultant.

01-02 WBS: 02-0064.LVMC1

**Product:**

**Congestion Management Plan**

Start: 07/01/2002 End: 12/31/2002 Percent: 1.46 %

**TASK: 03-140.SBCC1**

**Southbay Hwy/Arterials - Kaku & Assoc.**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

First Phase of the Coastal Corridor Study has been completed.

Work has just been initiated for the the second phase.

02-03 Tasks:

Complete the Coastal Corridor Phase II study of the impact of traffic along the coastal corridor.

01-02 WBS: 02-064.SBCC1

**Product:**

**Coastal Corridor Study Phase II assessing traffic in the coastal corridor.**

Start: 07/01/2002 End: 12/31/2002 Percent: 7.21 %

**TASK: 03-140.WRCS1**

**WRCOG Hwy/Arterials**

Project Lead: Amatya

Continuing subregional work.

02-03 Tasks:

Support subregional arterial planning work by participating with surrounding jurisdictions on the Alameda Corridor East Study.

01-02 WBS: 02-0064.WRCS2

**Product:**

**Status Report to the WRCOG Committee Structure**

**Issue Paper on Mobility/Congestion Policy and Technical Recommendations and Final Report of Findings**

Start: 07/01/2002 End: 12/31/2002 Percent: 8.28 %

**TASK: 03-140.LVMC2**

**LVM Hwy/Arterials - Aztec**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Contract was awarded and work commenced. Collection of existing data, information and pertinent documents were completed and several stakeholder meetings were held.

02-03 Tasks:  
Complete "Z" Traffic Study by developing and evaluating  
alternative action plans, including cost estimates.  
01-02 WBS: 02-0064.LVMC2

**Product:**

**Completed Z Traffic Study**

Start: 07/01/2002 End: 12/31/2002 Percent: 12.91 %

**TASK: 03-140.SBCC2**

**Southbay Hwy/Arterials - Aztec**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Rosecrans Phase I has been completed. Strategy for  
Developing the Comprehensive Transportation Plan (Existing  
Conditions) have been completed.

02-03 Tasks:

Complete the Rosecrans Corridor Phase II study to identify  
long term solutions within the corridor, including a strategy  
to secure funding for improvements.

01-02 OWP: 02-064.SBCC2

**Product:**

**Rosecrans Corridor Study Phase II**

Start: 07/01/2002 End: 12/31/2002 Percent: 9.46 %

**TASK: 03-140.LVMC3**

**LVM Hwy/Arterials - DKS**

Project Lead: Amatya

Continuing subregional work.

Previous Accomplishments:

Draft report has been completed pending final approval by the  
COG.

02-03 Tasks:

Complete the final report of the Highway 101 Emergency Traffic  
Management Study, incorporating comments, and submit to the  
subregion.

01-02 WBS: 02-0064.LVMC4

**Product:**

**Final Report on the 101 Emergency Traffic Management Plan**

Start: 07/01/2002 End: 12/31/2002 Percent: 1.13 %